



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>6</sup> :</b> <b>C12N 15/12, C07K 14/47, C12N 15/10, 15/66, C12Q 1/68, G01N 33/50, C07K 16/18, G01N 33/53, A61K 48/00, 38/17</b>	<b>A2</b>	<b>(11) International Publication Number:</b> <b>WO 99/06549</b>  <b>(43) International Publication Date:</b> 11 February 1999 (11.02.99)
<b>(21) International Application Number:</b> PCT/IB98/01231  <b>(22) International Filing Date:</b> 31 July 1998 (31.07.98)  <b>(30) Priority Data:</b> 08/905,279      1 August 1997 (01.08.97)      US  <b>(71) Applicant (for all designated States except US):</b> GENSET [FR/FR]; 24, rue Royale, F-75008 Paris (FR).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> DUMAS MILNE EDWARDS, Jean-Baptiste [FR/FR]; 8, rue Grégoire de Tours, F-75006 Paris (FR). DUCLERT, Aymeric [FR/FR]; 6 ter, rue Victorine, F-94100 Saint-Maur (FR). LACROIX, Bruno [FR/FR]; 93, route de Vourles, F-69230 Saint-Genis Laval (FR).  <b>(74) Agents:</b> MARTIN, Jean-Jacques et al.; Cabinet Regimbeau, 26, avenue Kléber, F-75116 Paris (FR).		<b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>Without international search report and to be republished upon receipt of that report.</i>
<b>(54) Title:</b> 5' ESTs FOR SECRETED PROTEINS EXPRESSED IN TESTIS AND OTHER TISSUES  <b>(57) Abstract</b>  <p>The sequences of 5' ESTs derived from mRNAs encoding secreted proteins are disclosed. The 5' ESTs may be to obtain cDNAs and genomic DNAs corresponding to the 5' ESTs. The 5' ESTs may also be used in diagnostic, forensic, gene therapy, and chromosome mapping procedures. Upstream regulatory sequences may also be obtained using the 5' ESTs. The 5' ESTs may also be used to design expression vectors and secretion vectors.</p>		

201

id AA040149  
est

## (ix) FEATURE:

(A) NAME/KEY: other  
 (B) LOCATION: complement(215..269)  
 (C) IDENTIFICATION METHOD: blastn  
 (D) OTHER INFORMATION: identity 98  
 region 381..435  
 id AA040149  
 est

## (ix) FEATURE:

(A) NAME/KEY: other  
 (B) LOCATION: complement(279..327)  
 (C) IDENTIFICATION METHOD: blastn  
 (D) OTHER INFORMATION: identity 100  
 region 321..369  
 id AA040149  
 est

## (ix) FEATURE:

(A) NAME/KEY: sig\_peptide  
 (B) LOCATION: 57..329  
 (C) IDENTIFICATION METHOD: Von Heijne matrix  
 (D) OTHER INFORMATION: score 4.8  
 seq IILRLPWLNRSQT/VV

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 242:

ACGCTTCGTC CTCTGCAGTC AAGACGCTGG GCGCGTCGAG GACTGGGATT TCAAAT ATG	59
Met	
CGT GCA TTA GAG AAT GAT TTT TTC AAT TCT CCC CCA AGA AAA ACT GTT	107
Arg Ala Leu Glu Asn Asp Phe Phe Asn Ser Pro Pro Arg Lys Thr Val	
-90 -85 -80 -75	
CGG TTT GGT GGA ACT GTG ACA GAA GTC TTG CTG AAG TAC AAA AAG GGT	155
Arg Phe Gly Gly Thr Val Thr Glu Val Leu Leu Lys Tyr Lys Lys Gly	
-70 -65 -60	
GAA ACA AAT GAC TTT GAG TTG TTG AAG AAC CAG CTG TTA GAT CCA GAC	203
Glu Thr Asn Asp Phe Glu Leu Leu Lys Asn Gln Leu Leu Asp Pro Asp	
-55 -50 -45	
ATA AAG GAT GAC CAG ATC ATC AAC TGG CTG CTA GAA TTC CGT TCT TCT	251
Ile Lys Asp Asp Gln Ile Ile Asn Trp Leu Leu Glu Phe Arg Ser Ser	
-40 -35 -30	
GTC ATG TAC TTG ACA AAA GAC TTT GAG CAA CTT ATC AGT ATT ATA TTG	299
Val Met Tyr Leu Thr Lys Asp Phe Glu Gln Leu Ile Ser Ile Ile Leu	
-25 -20 -15	
AGA TTG CCT TGG TTG AAT AGA AGT CAA ACA GTA GTG GAA GAG TAT TTG	347
Arg Leu Pro Trp Leu Asn Arg Ser Gln Thr Val Val Glu Glu Tyr Leu	
-10 -5 1 5	
GCT TTT CTT GGT AAT CTT GTA TCA GCA GAG ACT GTT TTC CTC AGA CCG	395
Ala Phe Leu Gly Asn Leu Val Ser Ala Glu Thr Val Phe Leu Arg Pro	
10 15 20	

TGT CTC AGC ATG ATT GCT TCC CAT TTT GWG CCT CCC GAG CTG  
Cys Leu Ser Met Ile Ala Ser His Phe Xaa Pro Pro Glu Leu  
25 30 35

437

## (2) INFORMATION FOR SEQ ID NO: 243:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 244 base pairs
- (B) TYPE: NUCLEIC ACID
- (C) STRANDEDNESS: DOUBLE
- (D) TOPOLOGY: LINEAR

## (ii) MOLECULE TYPE: CDNA

## (vi) ORIGINAL SOURCE:

- (A) ORGANISM: Homo Sapiens
- (F) TISSUE TYPE: Spleen

## (ix) FEATURE:

- (A) NAME/KEY: other
- (B) LOCATION: 54..242
- (C) IDENTIFICATION METHOD: blastn
- (D) OTHER INFORMATION: identity 97  
region 12..200  
id R19497  
est

## (ix) FEATURE:

- (A) NAME/KEY: other
- (B) LOCATION: 78..242
- (C) IDENTIFICATION METHOD: blastn
- (D) OTHER INFORMATION: identity 98  
region 1..165  
id H75597  
est

## (ix) FEATURE:

- (A) NAME/KEY: other
- (B) LOCATION: 84..242
- (C) IDENTIFICATION METHOD: blastn
- (D) OTHER INFORMATION: identity 98  
region 1..159  
id H93398  
est

## (ix) FEATURE:

- (A) NAME/KEY: other
- (B) LOCATION: 122..243
- (C) IDENTIFICATION METHOD: blastn
- (D) OTHER INFORMATION: identity 100  
region 1..122  
id HUM030E11B  
est

## (ix) FEATURE:

- (A) NAME/KEY: sig\_peptide
- (B) LOCATION: 74..166
- (C) IDENTIFICATION METHOD: Von Heijne matrix